

DRILL HOLES

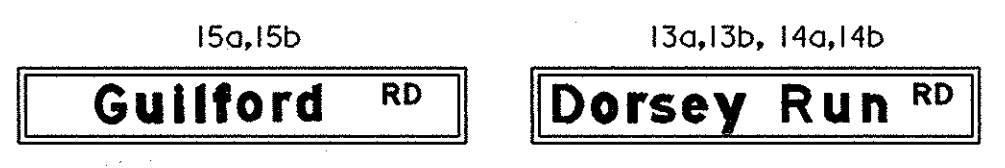
DRILL HOLES

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BORDER REV. DATE: June 11, 2004

SCALE: 1"=20'

PROPOSED SIGNS

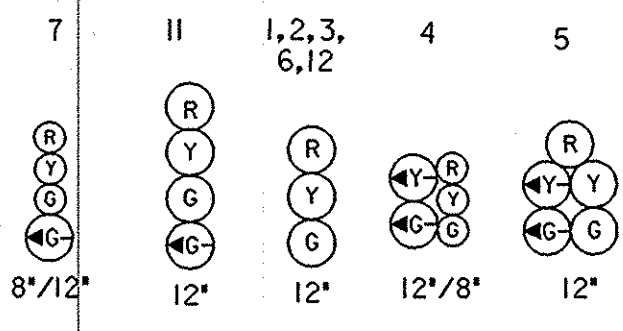


PROPOSED VIDEO DETECTION

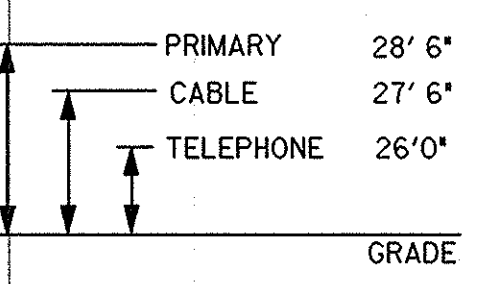


RI-2 36"x36"x36"

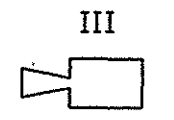
PROPOSED LED SIGNALS



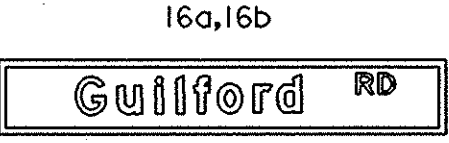
AERIAL CABLE DETAIL



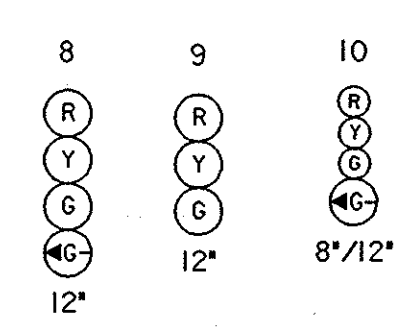
EXISTING VIDEO DETECTION



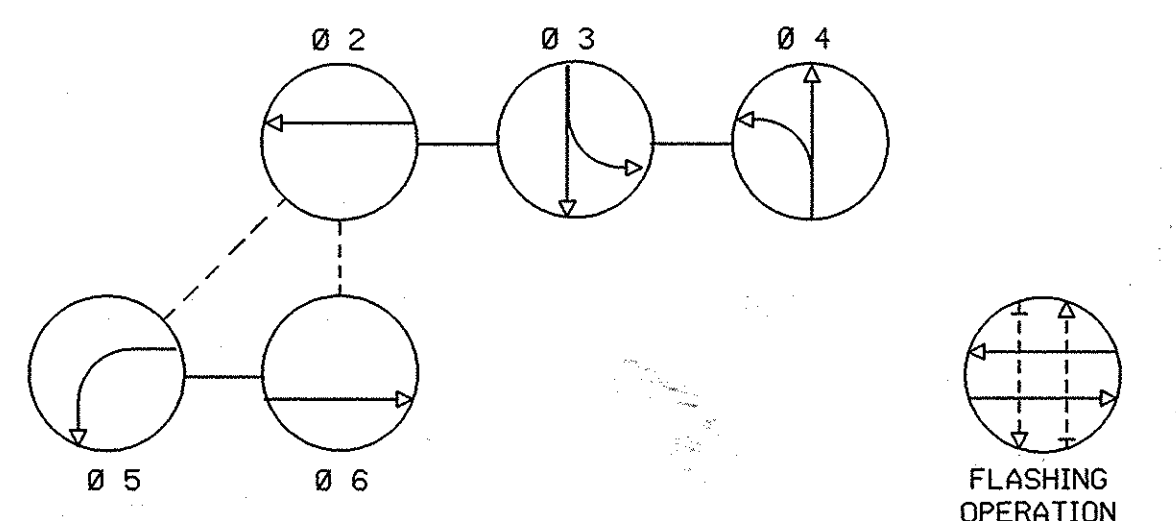
EXISTING SIGNS



EXISTING SIGNALS TO BE REPLACED WITH LED SIGNALS



NEMA PHASING



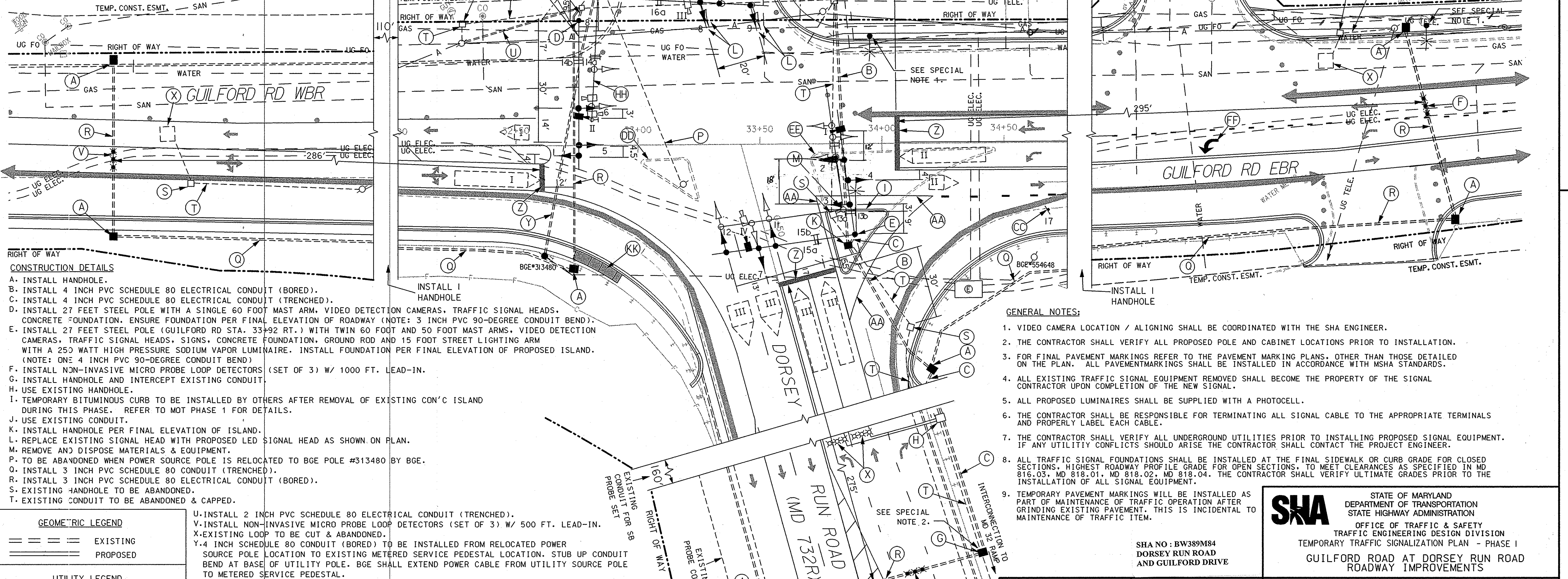
**MOT LEGEND**

- TEMPORARY CONCRETE BARRIER
- CHANNELIZING DEVICE (DRUMS)
- TRAFFIC FLOW ARROW

**PHASING NOTES:**  
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

**SPECIAL NOTES:**

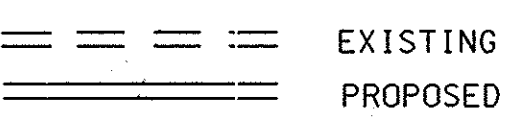
- THIS STREET LIGHTING WILL BE INSTALLED BY OTHERS (30 FT HIGH POLE WITH 12 FT. ARM)
- ALL PROPOSED CONDUITS AND HANDBOXES SHALL BE INSTALLED PRIOR TO DISCONNECTING THE INTERCONNECT CABLE. THE CABLE SHALL BE DISCONNECTED, PULLED BACK AND REROUTED IN ONE WORKING DAY AND THE CABLE SHALL NOT BE LEFT UNATTENDED WHILE OUT OF THE CONDUIT.
- SEE MAINTENANCE OF TRAFFIC PLAN FOR INSTALLATION OF ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES.
- DETECTABLE WARNING SURFACE WILL BE INSTALLED AT FINAL PHASE.



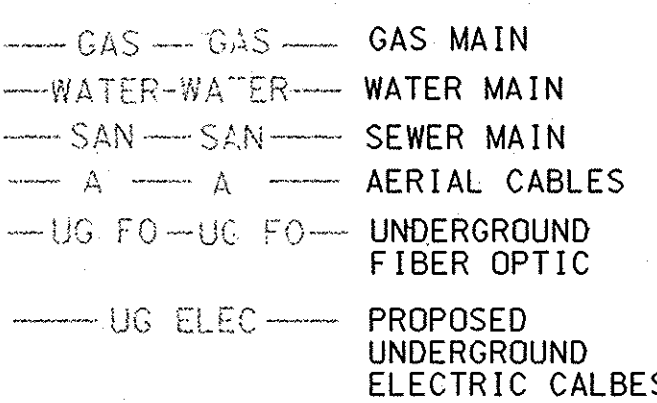
CONSTRUCTION DETAILS

- INSTALL HANDHOLE.
- INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (BORED).
- INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 27 FEET STEEL POLE WITH A SINGLE 60 FOOT MAST ARM. VIDEO DETECTION CAMERAS, TRAFFIC SIGNAL HEADS, CONCRETE FOUNDATION. ENSURE FOUNDATION PER FINAL ELEVATION OF ROADWAY (NOTE: 3 INCH PVC 90-DEGREE CONDUIT BEND).
- INSTALL 27 FEET STEEL POLE (GUILFORD RD STA. 33+92 RT.) WITH TWIN 60 FOOT AND 50 FOOT MAST ARMS, VIDEO DETECTION CAMERAS, TRAFFIC SIGNAL HEADS, SIGNS, CONCRETE FOUNDATION, GROUND ROD AND 15 FOOT STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. INSTALL FOUNDATION PER FINAL ELEVATION OF PROPOSED ISLAND. (NOTE: ONE 4 INCH PVC 90-DEGREE CONDUIT BEND)
- INSTALL NON-INVASIVE MICRO PROBE LOOP DETECTORS (SET OF 3) W/ 1000 FT. LEAD-IN.
- INSTALL HANDHOLE AND INTERCEPT EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- TEMPORARY BITUMINOUS CURB TO BE INSTALLED BY OTHERS AFTER REMOVAL OF EXISTING CON'C ISLAND DURING THIS PHASE. REFER TO MOT PHASE 1 FOR DETAILS.
- USE EXISTING CONDUIT.
- INSTALL HANDHOLE PER FINAL ELEVATION OF ISLAND.
- REPLACE EXISTING SIGNAL HEAD WITH PROPOSED LED SIGNAL HEAD AS SHOWN ON PLAN.
- REMOVE AND DISPOSE MATERIALS & EQUIPMENT.
- TO BE ABANDONED WHEN POWER SOURCE POLE IS RELOCATED TO BGE POLE #313480 BY BGE.
- INSTALL 3 INCH PVC SCHEDULE 80 CONDUIT (TRENCHED).
- INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (BORED).
- EXISTING HANDHOLE TO BE ABANDONED.
- EXISTING CONDUIT TO BE ABANDONED & CAPPED.

GEOMETRIC LEGEND



UTILITY LEGEND



- INSTALL 2 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (TRENCHED).
- INSTALL NON-INVASIVE MICRO PROBE LOOP DETECTORS (SET OF 3) W/ 500 FT. LEAD-IN.
- EXISTING LOOP TO BE CUT & ABANDONED.
- 4 INCH SCHEDULE 80 CONDUIT (BORED) TO BE INSTALLED FROM RELOCATED POWER SOURCE POLE LOCATION TO EXISTING METERED SERVICE PEDESTAL LOCATION. STUB UP CONDUIT BEND AT BASE OF UTILITY POLE. BGE SHALL EXTEND POWER CABLE FROM UTILITY SOURCE POLE TO METERED SERVICE PEDESTAL.
- INSTALL 24 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT FOR STOP LINE.
- INSTALL 10 INCH SOLID WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT.
- INSTALL TEMPORARY YIELD SIGN RI-2(36"x36"x36").
- EXISTING CON'C ISLAND TO BE REMOVED BY OTHERS BEFORE SIGNAL INSTALLATION DURING THIS PHASE.
- EXISTING CON'C ISLAND TO BE REDUCED BY OTHERS BEFORE SIGNAL INSTALLATION DURING THIS PHASE.
- INSTALL REMOVABLE PREFORMED ARROWS.
- REMOVE EXISTING ARM, SIGNS, SIGNALS AND ASSOCIATED EQUIPMENT. THE OTHER ARM TO REMAIN.
- SIDEWALK, DEPRESSED CURB AND GUTTER FOR ADA RAMP TO BE INSTALLED BY OTHERS PER MD STANDARDS NO. MD-655.12.

GENERAL NOTES:

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- TEMPORARY PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF MAINTENANCE OF TRAFFIC OPERATION AFTER GRINDING EXISTING PAVEMENT. THIS IS INCIDENTAL TO MAINTENANCE OF TRAFFIC ITEM.

SHA NO: BW389M84  
DORSEY RUN ROAD  
AND GUILFORD DRIVE

**Gannett Fleming**  
4701 Mt. Hope Drive  
Seton Business Park  
Baltimore, Maryland 21215  
410-585-1460

APPROVALS	REVISIONS
TEAM LEADER	① MODIFY SIGNAL DUE TO COUNTY WIDENING
ASST. DIV. CHIEF ON FILE	0467 SEPTEMBER 07
DIVISION CHIEF	DKS 035 10/16/07
OFFICE DIRECTOR	A. SIGNAL UPGRADE WITH NEW HEADS, VIDEO DETECTION & INTERCONNECTION TO MD 32 RAMP
	2002

**STATE OF MARYLAND**  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
TEMPORARY TRAFFIC SIGNALIZATION PLAN - PHASE I  
GUILFORD ROAD AT DORSEY RUN ROAD  
ROADWAY IMPROVEMENTS

SCALE 1"=20' DATE SEPT. 2007 CONTRACT NO. \_\_\_\_\_

DESIGNED BY **ENB** COUNTY **HOWARD**  
DRAWN BY **ENB** LOGMILE 13732R00.56  
CHECKED BY **MTA** T.I.M.S. NO. 0467  
F.A.P. NO. TOD NO. \_\_\_\_\_

DRAWING NO. TS 4253B - OF SHEET NO. 88 OF 156